

Message Text

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11

ACTION EUR-12

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R 190854Z AUG 75

FM AMEMBASSY WARSAW

TO /USDOC WASHDC

INFO SECSTATE WASHDC 6801

UNCLAS WARSAW 5410

COMMERCE PASS BEWT/TDAD/AND OED/A RICE

E.O. 11652: N/A

TAGS: BEXP, PL

SUBJECT: PRIVATE TRADE OPPORTUNITY: LICENCE OPPORTUNITY FOR PRODUCTION OF MINATURE RELAYS FOR PRINTED CIRCUITS.

1. 455/01/P/0010

2. 8/15/75

3. A. HERTZBERG

4. 455 POLAND

5. M

6A. REPLY TO ---

6B. MR LEMENS BORSZEWSKI, MANAGER

6C. ELEKTRIM (FTO FOR ELECTRICAL EQUIPMENT)

CZACKIEGO STREET 15/17

WARSAW, POLAND

7. PHONE 26 62 71

8. N/A

9. 9913102-1000. LICENCE FOR PRODUCTION OF MINIATURE RELAYS FOR PRINTED CIRCCCUITS.

TECHNICAL DATA/PARAMETERS ARE AS FOLLOWS:

1. CONTACTS ARRANGEMENT: TWO CHANGE OVER AS A DOUBLE CONTACT

2. CONTACTS MATERIAL: GOLD PLATED SILVER

3. MAXIMUM SWITCH POWER: 30 WATTS

5. MAXIMUM SWITCH VOLTAGE: 110V AC/DC

6. TEST VOLTAGES:

A. COIL TO FRAME: 500 VAC/EFF-60 SEC

B. CONTACT TO CONTACT: 500 VAC/EFF-60

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C. CONTACT TO FRAME: 500VAC/EFF-60 SEC

IOKIX CONTACTS CAPACITANCE

- A. CONTACT TO CONTACT: 0.3 PF(PICO FARAD)
- B. OPEN CONTACT TO FRAME: 0.6 PF
- C. CLOSED CONTACT TO FRAME: 1.6 PF

8. OPERATION TIMING

- A. CONTACT ENGAGEMENT: 8 MILLISECONDS
- B. CONTACT DISSENGAGEMENT: 6 MILLISECONDS

9. LIFETIME

- A. AT 12 V DC, 1 A (RESIDENCE LOADED): 2 X 10 TO THE 7TH

OPERATIONS

- B. AT 24 V DC, 1A (RESIDENCE LOADED): 6 X 10 TO THE 6TH

OPERATIONS

10. MECHANICAL LIFE: 22X10 TO THE 8TH

OPERATIONS 11. AMBIENT TEMPERATURE AT MINIMUM LOAD:

40 40 C TP PLUS 70 C

12. MAXIMUM PERMISSIBLE WINDING TEMPERATURE: PLUS 105 C

13. CONTINUOUS THERMAL LOAD AT AMBIENT TEMPERATURE: PLUS 20 C

AT 1.5 W

14. OPERATING VOLTAGES: 6, 12, 24, 36, 48, AND 60V DC

15. OPERATIONA POWER: 0.4 W MAX

RELAY CHASIS TO BE 29.6 MM LONG (MAX) X 19.8 MM WIDE (MAX) X
10.2 MM HIGH (MAX).

A TARGET PRODUCTION OF 500,000 RELAYS PER YEAR (IN TWO DIALY
SHIFTS) WITH 100 PERCENT INDEPENDECE IS TO BE REACHED DURING 1978,
IN 4 STATES AS FOLLOWS

STAGE I- TO BE REACHED IN 1976. ASSEMBLY ONLY OF 60,000

RELAYS ANNUALLY WITH 100 PERCENT OF RELEVANT COMPONENTS TO BE
DELIVERED BY LICENSOR

STATE II- TO BE REACHED BY FIRST HALF OF 1977. FULL

PRODUCTION OF COILS AND COMPONENTS FOR MAGNETIC CIRCUITS.

REMAINING COMPONENTS FOR THE ASSEMBLY OF 60,000 RELAYS

ANNUALLY TO BE DELIVERED BY LICENSOR.

STATE III- TO BE REACHED BY SECOND HALF OF 1977. FULL

LOCAL ANNUAL PRODUCTION OF 60,000 RELAYS (INCLUDING ALL
COMPONENTS).

STATE IV-TO BE REACHED BY 1978. FULL PRODUCTION OF

500,000 RELAYS PER YEAR.

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INTERESTED FIRMS ARE REQUESTED TO SUBMIT AS SOON AS
POSSIBLE QUOTATIONS (IN 5 COPIES) INCLUDING TECHNICAL
CATALOGS AND FOB PRICES FOR EACH OF THE FOLLOWING:

DOCUMENTATION OF RELAY CONSTRUCTION

DOCUMENTATION OF SPECIAL-TOOLS TECHNOLOGY AND CONSTRUCTION

PRODUCTION AND TECHNOLOGY EXPERIENCES

PATENT RIGHTS

DELIVERY OF MACHINES AND SPECIAL TOOLS
DELIVERY OF CONTROL AND MEASURING INSTRUMENTS
DELIVERY OF SPECIAL RAW MATERIALS
TRAINING OF SPECIALISTS AT LICENSORS PLANT
PRODUCTION START-UP BY LICENSORS SPECIALISTS
PRODUCTION AND EXPORT RIGHTS

DIMENSIONAL DRAWING OF RELAY IS BEING AIRMAILED TO TDAD
FYI: IT IS HIGHLY DESIRABLE AND STRONGLY RECOMMENDED THAT
ALL QUOTATIONS AND OTHER PERTINENT INFORMATION BE
SUBMITTED TO ELEKTRIM NO LATER THAN SEPTEMBER 26, 1975.
DAVIS

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